

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 01 Yuba River			Left	2.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

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- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
DWR ID	DWR_RD0784_01_s _ 2013_4				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_RD0784_01_s _ 2013_5						
Action/Comments							

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_RD0784_01_s _ 2013_6					
Action/Comments						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	0.52	Rating **	U	Issue No.	12
LM End	1.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.131558 °	39.129475 °
				-121.560668 °	-121.569209 °
DWR ID	DWR_RD0784_01_f _ 2012_12				
Action/Comments					
Urban					

Photo 1 of 1 : mhoffman_s_20140401_345.jpg



Levee mile 0.53-1.00, this photo shows the fences and other obstruction near the toe of the levee on the landside.

LM Start	1.00	Rating **	U	Issue No.	13
LM End	1.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.129475 °	39.129615 °
				-121.569210 °	-121.571371 °
DWR ID	DWR_RD0784_01_f _ 2012_13				
Action/Comments					
Fence					

Photo 1 of 1 : mhoffman_s_20140401_346.jpg



Levee mile 1.00-1.12, this photo shows a fence near the levee toe on the landside.

LM Start	1.28	Rating **	M	Issue No.	2
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.129783 °	39.129783 °
				-121.574384 °	-121.574384 °
DWR ID	DWR_RD0784_01_s _ 2012_2				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : mhoffman_s_20140401_344.jpg



W/S slope vegetation, Elderberry.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	1.32	Rating **	M	Issue No.	1
LM End	1.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.129826 °	39.129826 °
				-121.574940 °	-121.574940 °
DWR ID	DWR_RD0784_01_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:29363					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing. Need to determine if owner has permit.					
FIELD_STRUCT_DESC: Fiber Optic Communication lines cross levee.					
Diameter unknown.					
FS Date: 2/13/2014 9:24:00 AM					

Photo 1 of 1 : UCIP_5997.jpg



Marker on east side of Rail/WS of Levee.

LM Start	1.47	Rating **	A	Issue No.	3
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.129904 °	39.129904 °
				-121.577878 °	-121.577878 °
DWR ID	DWR_RD0784_01_s_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_421.jpg



This photo was taken from the crown facing west looking down the landward levee slope at acceptable vegetation maintenance. Spring 2014.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 02A Feather River			Left	2.70
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Feather River	Left	2.54	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	2.16	Rating **	A	Issue No.	2
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.098975 °	39.098975 °
				-121.586167 °	-121.586167 °
DWR ID	DWR_RD0784_02A_s _ 2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_423.jpg



This photo was taken from the crown facing south looking down the landward levee slope at acceptable vegetation maintenance. Spring 2014.

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 02B Feather River			Left	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	8.72	Rating **	M	Issue No.	7
LM End	9.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.009366 °	39.004549 °
				-121.579766 °	-121.579143 °
DWR ID					

Action/Comments

Inspector Comments: 2003 - Bank is near vertical. Identified as a Potentially Critical site. 2004 - Eddy flow off downstream end of Modesto formation eroding the fluvial sediments. 2005 - Some new slumping. Actively eroding but berm width is greater than 50 ft. 2006 - Downgraded to regular erosion site. Still actively eroding. Large old rotational failures in high bank on the downstream end. 2008 - Removed from inventory due to wide berm width does not meet criteria for an erosion site. 2010 - Added back to the inventory after 10 ft of bank erosion in the winter 2009 storm. Steep vertical face. 2011 - Bank has retreated an additional 2.5 ft from last year. New tree popouts and erosion throughout the site. 2012 - Site continues to worsen with new tree popouts and many sections of new erosion. 2013: No observed changes. [2013 Site ID: FHR_17-8_L]

Photo 1 of 1 : USACE2013A_FHR_17-8_L_11.jpg



USACE 2013 Photo #1

LM Start	9.21	Rating **	U	Issue No.	6
LM End	9.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.006523 °	39.005235 °
				-121.577843 °	-121.578286 °
DWR ID	DWR_RD0784_02 f _ 2012_6				

Action/Comments

Material
Inspector Comments: Paving at toe.

Photo 1 of 1 : mhoffman_s_20140401_342.jpg



Levee mile 9.21, new paving near the levee toe, no permit found for this work.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	9.25	Rating **	M	Issue No.	3
LM End	9.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.005970 °	39.005970 °
				-121.578008 °	-121.578008 °
DWR ID	DWR_RD0784_02B_s _ 2014_3				
Action/Comments					
Inspector Comments: FS_ID:29288					
EP_NO: 18227					
Repair Type:					
Crossing Status:					
UCIP Comments: Gate on enclosure at LS toe is not locked. Vaults on WS toe are open and need to be secured.					
FIELD_STRUCT_DESC: 1 of 3: 30-inch HDPE irrigation pipe through the levee 3-feet below the crown. Siphon breaker and air relief valve in vault on waterside shoulder. Pumps in pump house on the bank. Gate valves in concrete distribution box. Chain link enclosure at the landside toe. Discharges into concrete box on the landward side. (Permit No. 18227, 2007)					
FS Date: 2/13/2014 9:24:24 AM					

Photo 1 of 1 : UCIP_5937.jpg



Pumphouse off WS toe at waters edge. Vaults with access to pipes in foreground.

LM Start	9.40	Rating **	U	Issue No.	1
LM End	9.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.003905 °	39.003905 °
				-121.578774 °	-121.578774 °
DWR ID	DWR_RD0784_02_s _ 2012_1				
Action/Comments					
Building					

Photo 1 of 1 : mhoffman_s_20140401_336.jpg



Levee mile 9.40, looking at a building that is encroaching on the levee toe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	11.82	Rating **	A	Issue No.	5
LM End	11.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.969270 °	38.969270 °
				-121.578051 °	-121.578051 °
DWR ID	DWR_RD0784_02B_s _ 2014_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_425.jpg



This photo was taken from the crown facing south looking down the waterward levee slope at acceptable vegetation maintenance. Spring 2014.

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 03A Bear River			Right	0.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03A Bear River	Right	0.78	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	2.85	Rating **	A	Issue No.	2
LM End	2.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974144 °	38.974144 °
				-121.541427 °	-121.541427 °
DWR ID	DWR_RD0784_03A_s_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_427.jpg



This photo was taken from the crown facing east looking down the waterward levee slope at acceptable vegetation maintenance. Spring 2014.

LM Start	4.31	Rating **	M	Issue No.	3
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.981400 °	38.981271 °
				-121.515848 °	-121.515999 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Small site which could be repaired with maintenance. Erosion into the levee toe, rock has started to fail. 2013: No observed changes. [2013 Site ID: BER_4-9_R]					

Photo 1 of 1 : USACE2013A_BER_4-9_R_4.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 03B Bear River			Right	1.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2014 - 04/09/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03B Bear River	Right	1.49	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	3.23	Rating **	C	Issue No.	4
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974571 °	38.974064 °
				-121.532581 °	-121.528098 °
DWR ID	DWR_RD0784_03B_f_2013_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.82	Rating **	M	Issue No.	5
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.976661 °	38.976661 °
				-121.522895 °	-121.522895 °
DWR ID	DWR_RD0784_03B_s_2014_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140414_430.jpg



This photo was taken from the crown facing east looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	4.69	Rating **	M	Issue No.	2
LM End	4.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985247 °	38.985247 °
				-121.511075 °	-121.511075 °
DWR ID	DWR_RD0784_03B_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:29284					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Flap gate blocked by vegetation on WS toe. Unable to locate inlet.					
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee 20-feet below the crown. Gate valve on waterward side. Originally included in O+M Manual (1955).					
FS Date: 2/13/2014 9:16:07 AM					

Photo 1 of 1 : UCIP_5925.jpg



Unable to locate inlet due to blackberry overgrowth on LS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 04 Interceptor Canal			Right	6.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2014 - 04/09/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Interceptor Canal	Right	6.33	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	3.60	Rating **	M	Issue No.	1
LM End	3.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.026347 °	39.026347 °
				-121.542343 °	-121.542343 °
DWR ID	DWR_RD0784_04_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:29289					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for crossing.					
FIELD_STRUCT_DESC: Communication line through the levee at unknown depth on downstream side of bridge.					
FS Date: 2/13/2014 9:24:53 AM					

Photo 1 of 1 : UCIP_5943.jpg



Communication line at base of JP on WS slope.

LM Start	4.63	Rating **	A	Issue No.	3
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.041131 °	39.041131 °
				-121.542399 °	-121.542399 °
DWR ID	DWR_RD0784_04_s_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_428.jpg



This photo was taken from the crown facing north looking down the waterward levee slope at acceptable vegetation maintenance. Spring 2014.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Interceptor Canal	Right	6.33	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	6.26	Rating **	M	Issue No.	2
LM End	6.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.058533 °	39.058533 °
				-121.550485 °	-121.550485 °
DWR ID	DWR_RD0784_04_s_2014_2				
Action/Comments					

Inspector Comments: FS_ID:29285

EP_NO: 5384

Repair Type:

Crossing Status:

UCIP Comments: Large animal burrough along pipe alignment on WS has undermined pipe for an unknown length. Pipe is corroded through on WS. Pipe should be properly abandoned.

FIELD_STRUCT_DESC: 8-inch pipe through the levee 2.6 feet below the crown. Vertical pump unit and service pole on the waterward side. Discharge into concrete riser on the landward side. (Permit No. 5384) 1966.

FS Date: 2/26/2013

Photo 1 of 1 : UCIP_5932.jpg



Concrete riser and pipe on LS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating		+ Issue Type	
	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 05 Interceptor Canal			Left	4.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2014 - 04/09/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	0.00	Rating **	M	Issue No.	13
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974571 °	39.020567 °
				-121.532581 °	-121.509097 °
DWR ID	DWR_RD0784_05_s _ 2014_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_429.jpg



This photo was taken from the crown facing west looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.83	Rating **	M	Issue No.	1
LM End	0.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.986432 °	38.986432 °
				-121.534983 °	-121.534983 °
DWR ID	DWR_RD0784_05_s _ 2014_1				
Action/Comments					
Inspector Comments: FS_ID:29290					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No handle or access to slide gate on LS toe.					
FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 23.7 feet below the crown. Flap gate on the waterward end. Slide gate in concrete drop inlet on the landward side. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:25:25 AM					

Photo 1 of 1 : UCIP_5945.jpg



Concrete drop-inlet at LS toe.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	1.08	Rating **	M	Issue No.	10
LM End	1.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.989955 °	38.999068 °
				-121.535672 °	-121.537462 °
DWR ID	DWR_RD0784_05_s_2012_10				
Action/Comments					
Ditch					

Photo 1 of 1 : mhoffman_s_20140401_322.jpg



Ditch at L/S toe.

LM Start	1.85	Rating **	M	Issue No.	2
LM End	1.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000975 °	39.000975 °
				-121.537779 °	-121.537779 °
DWR ID	DWR_RD0784_05_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:29291					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Inlet burried. Good candidate for video inspection as pipe is corroded.					
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee, 14.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward side. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:25:46 AM					

Photo 1 of 1 : UCIP_5946.jpg



Concrete U-shaped outlet and flap-gate on WS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	2.04	Rating **	M	Issue No.	4
LM End	2.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.003643 °	39.003643 °
				-121.538292 °	-121.538292 °
DWR ID	DWR_RD0784_05_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:29292					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Erosion at outlet may or may not be an issue.					
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee, 14.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward side. PVC weir on inlet. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:26:10 AM					

Photo 1 of 1 : UCIP_5951.jpg



Concrete U-shaped outlet on WS toe.

LM Start	2.10	Rating **	M	Issue No.	9
LM End	3.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.004562 °	39.015593 °
				-121.538482 °	-121.528533 °
DWR ID	DWR_RD0784_05_s_2012_9				
Action/Comments					
Ditch					

No Photos

LM Start	2.19	Rating **	C	Issue No.	7
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.005824 °	39.005824 °
				-121.538705 °	-121.538705 °
DWR ID	DWR_RD0784_05_f_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: berries					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	2.47	Rating **	M	Issue No.	8
LM End	2.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008994 °	39.008994 °
				-121.535679 °	-121.535679 °
DWR ID	DWR_RD0784_05_s _ 2014_8				
Action/Comments					
Inspector Comments: FS_ID:29293					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Heavy erosion around inlet headwall due to beaver activity.					
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee, 15.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward side. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:26:39 AM					

Photo 1 of 1 : UCIP_5955.jpg



Outlet on WS.

LM Start	2.51	Rating **	U	Issue No.	5
LM End	3.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.009439 °	39.017779 °
				-121.535210 °	-121.524150 °
DWR ID	DWR_RD0784_05_s _ 2013_5				
Action/Comments					
Fence					

Photo 1 of 1 : mhoffman_s_20140401_321.jpg



Fence at L/S levee toe.

LM Start	2.98	Rating **	C	Issue No.	3
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.014631 °	39.014631 °
				-121.529577 °	-121.529577 °
DWR ID	DWR_RD0784_05_s _ 2013_3				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	3.06	Rating **	M	Issue No.	11
LM End	3.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.015549 °	39.015549 °
				-121.528590 °	-121.528590 °
DWR ID	DWR_RD0784_05_s_2014_11				
Action/Comments					
Inspector Comments: FS_ID:29294					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe has been sliplined with PVC, but the liner appears to be eroding at outlet and may be disjointed internal to the levee. See pic. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 12-inch CM drain pipe through the levee, 12.0 feet below the crown. Flap gate and concrete "U" headwall on the waterward side. PVC weir on inlet at LS toe. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:27:13 AM					

Photo 1 of 1 : UCIP_5960.jpg



Concrete U-shaped headwall on WS toe.

LM Start	3.96	Rating **	M	Issue No.	12
LM End	3.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.019787 °	39.019787 °
				-121.513386 °	-121.513386 °
DWR ID	DWR_RD0784_05_s_2014_12				
Action/Comments					
Inspector Comments: FS_ID:29295					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe burried on LS toe and flap gate is blocked by soil on WS toe.					
FIELD_STRUCT_DESC: 18-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1955).					
FS Date: 2/13/2014 9:27:34 AM					

Photo 1 of 1 : UCIP_5963.jpg



Outlet on WS toe .

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 06 South Dry Creek			Right	0.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2014 - 04/09/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 South Dry Creek	Right	0.25	04/09/2014 04/09/2014	Matthew Hoffman

LM Start	0.06	Rating **	M	Issue No.	1
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985999 °	38.985999 °
				-121.509618 °	-121.509618 °
DWR ID	DWR_RD0784_06_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:29296					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe partially blocked on LS and flap gate blocked on WS.					
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee 19-feet below the crown. Gate valve on waterward side. Originally included in O+M Manual (1955). See Dwg. 2-4-106 Sheet 2.					
FS Date: 2/13/2014 9:27:53 AM					

Photo 1 of 1 : UCIP_5966.jpg



INlet at LS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 07 Yuba River			Left	3.91
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Yuba River	Left	3.82	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	0.31	Rating **	M	Issue No.	2
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.135860 °	39.164974 °
				-121.546807 °	-121.496749 °
DWR ID	DWR_RD0784_07_s _ 2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_422.jpg



This photo was taken from the crown facing west looking down the landward levee slope at vegetation growth requiring maintenance. Spring 2014.

LM Start	0.69	Rating **	M	Issue No.	1
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.138326 °	39.138326 °
				-121.540655 °	-121.540655 °
DWR ID	DWR_RD0784_07_s _ 2014_1				
Action/Comments					
Inspector Comments: FS_ID:29286					
EP_NO: 3446					
Repair Type:					
Crossing Status:					
UCIP Comments: USAA paint on roadway and flags along levee alignment. Needs proper markers.					
FIELD_STRUCT_DESC: 1-1/4-inch PG&E gas line through the levee, 2 feet below the crown. (Permit No. 3446)					
FS Date: 2/13/2014 9:22:37 AM					

Photo 1 of 1 : UCIP_5935.jpg



Alignment of pipe is approximately in-line with the flag pole on LS building.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 08 Three Rivers			Right	1.88
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

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- corrections to deficiencies noted in this report

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Three Rivers	Right	1.93	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	0.52	Rating **	A	Issue No.	1
LM End	0.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.956907 °	38.956907 °
				-121.565526 °	-121.565526 °
DWR ID	DWR_RD0784_08_s _ 2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_426.jpg



This photo was taken from the crown facing east looking down the landward levee slope at acceptable vegetation maintenance. Spring 2014.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0784 Plumas Lake

Waterway			Bank	Unit Miles
Unit No. 09 Feather River, TRLIA Setback Levee			Left	5.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2014 - 04/08/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Patrick Meagher RD 784			

Summer & Winter Inspections

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- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

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<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Feather River	Left	5.71	04/08/2014 04/08/2014	Matthew Hoffman

LM Start	4.16	Rating **	A	Issue No.	1
LM End	4.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.030769 °	39.030769 °
				-121.589807 °	-121.589807 °
DWR ID	DWR_RD0784_09_s _ 2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140410_424.jpg



This photo was taken from the crown facing south looking down the landward levee slope at acceptable vegetation maintenance. Spring 2014.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement